

BIOREMEDIATION

CENTER

The Center for Bioremediation was established to channel research, development and marketing of innovative heavy metal removal, recovery and pollution prevention biotechnologies into a valuable resource for WSU and Utah. The Center's focus technology is biological selenium removal. Additionally, technologies include arsenic removal and cyanide degradation.

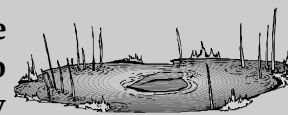
TECHNOLOGY

The Center's biotechnologies are based on research conducted by the Center's principal investigators; and over 7.7 million US Bureau of Mines (USBM) research dollars are invested in the development of metal bioremediation technologies. At the forefront of the Center focus technologies is a field-proven selenium removal technology capable of economically removing this contaminant from wastewaters to a point below detection. The Center's selenium technology is based on a novel implementation path requiring a thorough front-end analysis, specially adapted, naturally occurring microorganisms, and a patent-pending proprietary process of configurations. This path provides unique bioremediation technologies that are more economical, faster and more durable than other technologies.

WEBER STATE UNIVERSITY

Can you imagine.....

A faster and more economical way to remove heavy metals, such as arsenic or cyanide, from wastewaters to a point below detection, with naturally occurring microorganisms?



ACCOMPLISHMENTS

The Center's technology has been demonstrated to be approximately 1/10 the cost of EPA's past BDAT and removes selenium to lower levels. A final EPA report is expected later in 2001. The Montana site was viewed as a showcase site for selenium removal.

Technology is 1/10 the cost of past BDAT and removes selenium to lower levels

Contact Information

Director: Jack Adams
Weber State University
2515 University Circle
Ogden, UT 84408
801-626-6058
djadams@weber.edu